

FORM PTO-1449

Attorney Docket No. 102147-200

| | | | |
|--|----------------------------------|--|---|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Attorney Docket No. 102147-200 | SERIAL NO. not assigned 09/923,137 | J-997 U.S. PTO 09/923137 08/06/01 |
| | APPLICANT: Bögel, Andreas, et al | | |
| | FILING DATE: herewith 8/6/01 | GROUP: not yet assigned 1742 | |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL* | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROP. |
|----------------------|--------------------|---------|----------------------|-------|----------|---------------------------|
| CE | 2,033,709 | 3/1936 | Hensel, et al | | | |
| CE | 2,127,596 | 8/1938 | Hensel, et al | | | |
| CE | 3,677,745 | 7/1972 | Finlay, et al | | | |
| CE | 3,778,318 | 12/1973 | Finlay, et al | | | |
| CE | 4,362,579 | 12/1982 | Tsuji. | | | |
| CE | 4,605,532 | 8/1986 | Knorr, et al | | | |
| CE | 4,612,166 | 9/1986 | Brock | | | |
| CE | 4,678,637 | 7/1978 | Duerrschnabel, et al | | | |
| CE | 4,810,468 | 3/1989 | Duerrschnabel, et al | | | |
| CE | 5,004,520 | 4/1991 | Tsuji, et al | | | |
| CE | 5,024,814 | 6/1991 | Futatasuka et al | | | |
| CE | 5,032,358 | 7/1991 | Helenius | | | |
| CE | 5,306,465 | 4/1994 | Caron et al | | | |
| CE | 5,370,840 | 12/1994 | Caron et al | | | |
| CE | 5,486,244 | 1/1996 | Caron et al | | | |
| CE | 5,565,045 | 10/1996 | Caron et al | | | |
| CE | 5,601,665 | 2/1997 | Caron et al | | | |
| CE | 5,833,920 | 11/1998 | Nakanishi et al | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION Yes No |
|------------------|--------|---------|-------|----------|-----------------------|
| DE 196 00 864 C2 | 2/2000 | Germany | | | X |

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

| | | |
|---|----|--|
| 1 | CE | "Standard Test Method for Bend Test for Formability of Copper Alloy Spring Material", ed. Feb. 1999, ASTM Designation: B 820-98, pages 802-804. |
| 2 | CE | "Standard Test Method for Semi-Guided Bend Test for Ductility of Metallic Materials", ed. March 1992, ASTM Designation E 290-92, pages 432-435. |
| 3 | CE | "Quality Function Deployment from the perspective of Competitive Advantage" by Edwin B. Dean, from http://mijuno.larc.nasa.gov/dfc/qfd.html , (4 pages). (no date) 1994 |
| 4 | CE | "Comprehensive QFD from the Perspective of Competitive Advantage" by Edwin B. Dean, from http://mijuno.larc.nasa.gov/dfc/qfd.html , (4 pages). (no date) 1995 |
| 5 | CE | Silver-Bearing Copper, Walter L. Finlay, Director of Research, Copper Range Company, NYC, Corinthian Editions 1968, Chapter II pages 7-9; Chapter III pages 10-60; Chapter IV pages 61-71. |

EXAMINER:

S. IS

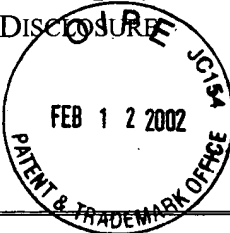
DATE CONSIDERED:

9/24/02

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

#5

FORM PTO-1449

| | | | | | | |
|--|--------------------------|--------------------|---|--------------------------|-------------|----------------------------|
| SUPPLEMENTAL INFORMATION DISCLOSURE  | | | ATTY. DOCKET NO. 102147-200 | | 09/923,137 | |
| | | | APPLICANT: OLIN CORPORATION | | | |
| | | | FILING DATE: AUGUST 6, 2001 | | GROUP: 1742 | |
| U.S. PATENT DOCUMENTS | | | | | | |
| EXAMINER INITIALS | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPR. |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | |
| EXAMINER INITIALS | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
| 2 | JP59193233 A | 11/1/84 | Japan | | | X |
| 2 | JP 62133050 A | 6/16/87 | Japan | | | X |
| | JP 62202038 A | 9/5/87 | Japan (not found in application) | | | X |
| 2 | JP 62182240 A | 8/10/87 | Japan | | | X |
| 2 | JP 04221031 A | 8/11/92 | Japan | | | X |
| | JP 09263864 A | 10/7/97 | Japan (not found in application) | | | X |
| | | | | | | |
| | | | | | | |
| OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) | | | | | | |
| International Search Report dated 02 November 2001 Under PCT Rule 44.1 | | | | | | |
| EXAMINER: S. IF | | | | DATE CONSIDERED: 9/24/02 | | |
| *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | |

INFORMATION DISCLOSURE

ATTY. DOCKET NO.

102147-200

SERIAL NO.

09/923,137

APPLICANT: BOGEL, ANDREAS

FILING DATE :08/06/2001

GROUP: 1742

U.S. PATENT DOCUMENTS

| EXAMINER INITIALS | DOCUMENT No. | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPR. |
|----------------------|-----------------|-------|------------------------|-------|----------|----------------------------|
| <i>BE</i> | 3,677,745 | 7/72 | Walter L. Finlay | 75 | 153 | 2/24/69 |
| <i>BE</i> | 5,370,840 | 12/94 | Ronald N. Caron, et al | 420 | 492 | 10/18/93 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIALS | DOCUMENT No. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|----------------------|---------------|-------|---------|-------|----------|-----------------------|
| <i>BE</i> | EP 0784099 A2 | 7/97 | EPO | C22C | 9/00 | NO |
| <i>BE</i> | EP 1063309 A2 | 12/00 | EPO | C22C | 9/00 | YES |
| <i>BE</i> | 63-038561 | 2/88 | Japan | C22F | 1/08 | NO |
| | | | | C22C | 9/00 | |
| <i>BE</i> | 64-028337 | 1/89 | Japan | C22C | 9/06 | NO |
| | | | | | | |
| | | | | | | |
| | | | | | | |

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER:

S. IP

DATE CONSIDERED:

9/24/02

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\10070\102\356748.1